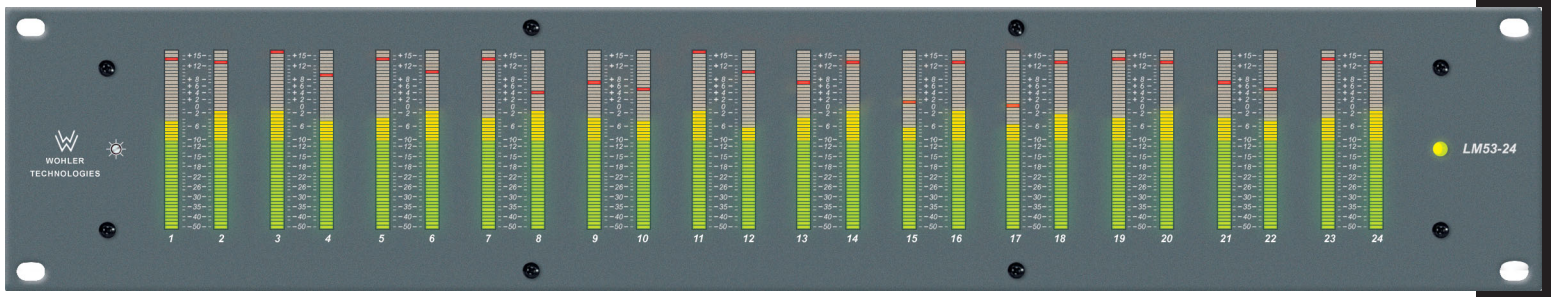
World Leader •In-Rack• Audio & Video Monitoring

February 5, 2004

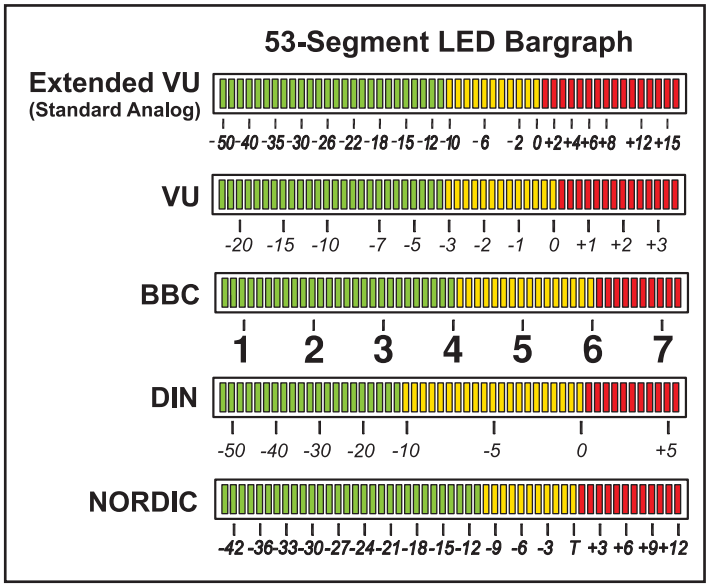
WOHLER LM53-24

Analog 24 Channel In-Rack Professional Level Metering System



Features:

Analog 24 Channel In-Rack Professional Level Metering System
Only 2U of Rack Space
24 High Resolution 53 Segment Tri-Color LED Bargraphs
Simultaneous VU (bar) and PPM (dot)
Bargraph Display Ballistics
Simultaneous Visual Monitoring of all Channels
24 Mini-Phoenix Input Connectors as Standard
Industry Leading Wide Dynamic Range
1 dB Midscale Resolution
Custom Variations of Standard Scales
and/or Color Masks Available on Request
Adjustable Bargraph Brightness
via Front Panel Control
Power Indicator LED
Quick and Simple Installation
CE and UL approved 100 to 240VAC,
50/60Hz Universal Power Input



Our LM Series of Analog, EBU digital, SDI and Dolby Digital audio level meters are now available with a choice of BBC, DIN, Nordic and VU scales and "PPM Only" has also been added to the user selectable options. These changes were requested by our customers, if you don't see what you are looking for please do contact us and we'll be glad to help.

Wohler professional level meters are available with 26, 53 or 106 segment bargraphs, providing very high resolution and a wide (>70dB usable) dynamic range in increments as small as 1/2 dB across midscale. We also produce level meters containing large segment LEDs with 30 and 60 segments, optimized for viewing from a distance.Versions are available for Analog, AES/EBU Digital, SDI and Dolby Digital sources, providing from 2 to 32 channels simultaneously depending on the model, and are available as 1U or 2U in-rack units. New versions are available requiring only one half-rack space.

Our unique tri-color LED design means we can offer an almost unlimited variety of options such as Phase Correlation, Peak Hold, Loudness, Sum & Difference, and alternate scales & color mappings.

The standard display mode is set as a single segment PPM "dot" above a VU bar; each segment's color is fixed according to its position on the scale.

Level calibration for analog input versions and scale color transition points ("color mask") for digital input versions may be set via dip switches to select one of four different calibration levels (for analog input types) or color mask (for digital input types) via DIP switch settings.

Ideally suited for use in VTR bays, mobile production vehicles, teleconferencing installations, multimedia systems, satellite link and cable TV facilities and on-air radio studios, built and rigorously tested in the USA, the Wohler LM series of professional level meters are backed by a strong warranty and a "Satisfaction Guaranteed" return policy.

Wohler

Level Metering | Audio Monitoring | Alarm Systems | Video Monitoring

Toll Free (US): 1.888.5.WOHLER • Tel: 510.870.0810 • Fax: 510.870.0811 • 31055 Huntwood Avenue, Hayward, California 94544, USA

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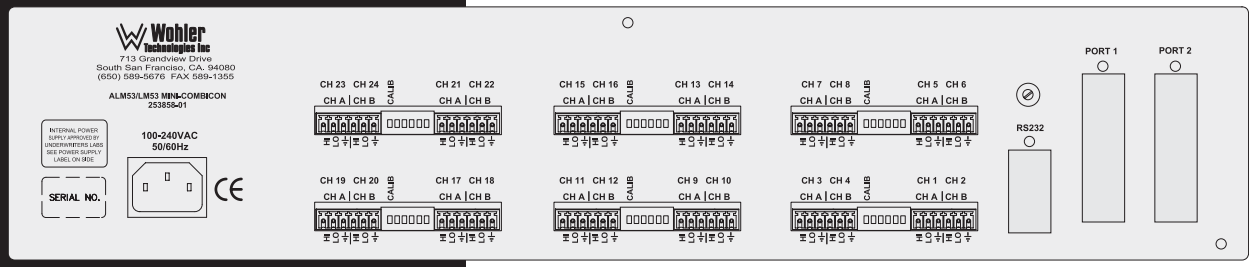
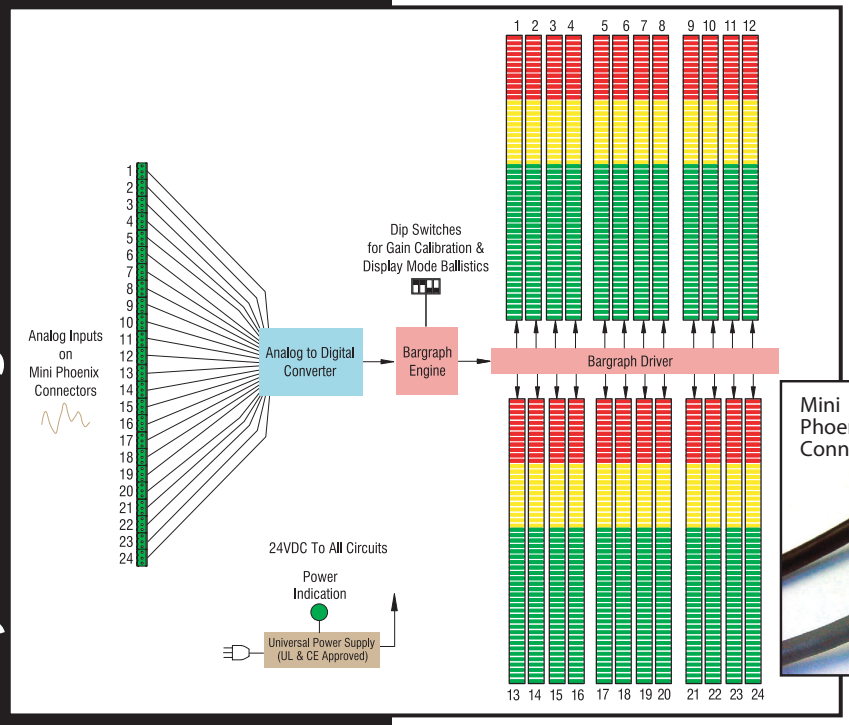
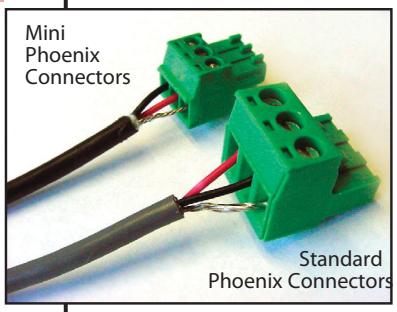
Analog 24 Channel In-Rack Professional Level Metering System

Rear Panel:


Wohler Technologies Inc
713 Grandview Drive
South San Francisco, CA. 94080
(650) 589-5676 FAX 589-1355
ALM53/LM53 MINI-COMBICON
253856-01
100-240VAC
50/60Hz
SERIAL NO.
CH 23 CH 24 CALIB CH 21 CH 22
CH 19 CH 20 CALIB CH 17 CH 18
CH 15 CH 16 CALIB CH 13 CH 14
CH 11 CH 12 CALIB CH 9 CH 10
CH 7 CH 8 CALIB CH 5 CH 6
CH 3 CH 4 CALIB CH 1 CH 2
CH A | CH B
RS232
PORT 1
PORT 2

System Diagram:


Analog Inputs on Mini Phoenix Connectors
Analog to Digital Converter
Dip Switches for Gain Calibration & Display Mode Ballistics
Bargraph Engine
Bargraph Driver
24VDC To All Circuits
Power Indication
Universal Power Supply (UL & CE Approved)



Specifications:

Input connectors	mini-phoenix terminal connectors
Audio source type	analog
Analog input sampling rate	≥ 48 kHz
Frequency response	20Hz to 20kHz ±0.5dB
Analog input impedance	40 kOhms
Level meters	twenty-four 53 segment high resolution LED bargraphs
Standard scale	-50 to +16 dB
Midscale resolution	1 dB (Extended VU Scale)
Standard display ballistics	simultaneous VU & PPM (dot over bar)
Selectable display controls	'0' (zero) calibration: 0 dBu, +4 dBu, +6 dBu, +8 dBu floating segment: PPM 3s hold, PPM decay, VU peak 3s hold, VU peak 10s hold
Additional options	alternate scales, color mappings and features such as phase correlation or sum & difference may be specified at the time of ordering, contact us for details
Chassis dimensions (HxWxD)*	3.5" x 19" x 7.5" (89mm x 483mm x 190.5mm) *not including rear panel input connectors
Weight	7 lbs. (3.17 kg)
Power consumption	36W (maximum)
Power supply	100 to 240VAC, 50/60Hz universal input, CE & UL approved

E. & O.E., All specifications are subject to improvement

Visit http://www.wohler.com/meters.html for animated metering demonstrations

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